

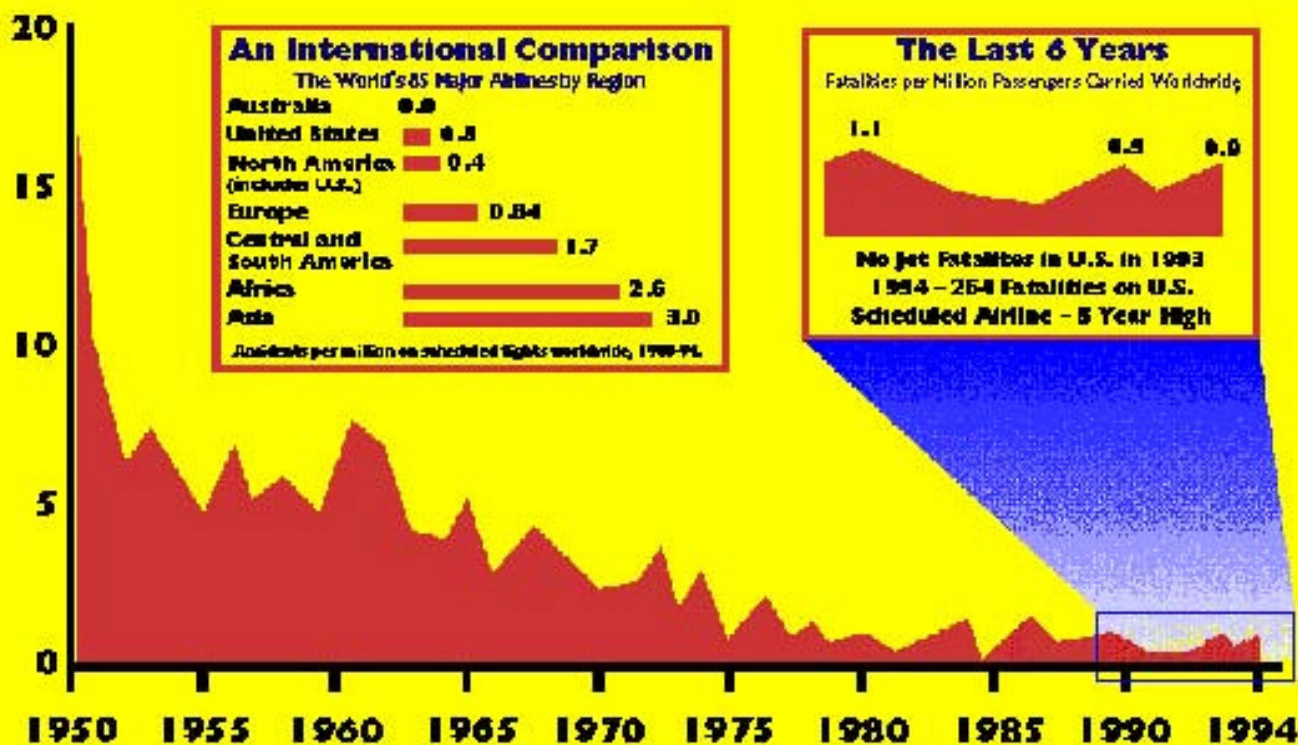
System Safety



Christopher A. Hart

**Assistant Administrator
for System Safety**

Worldwide Airline Fatality Rate*



*Per Million Passengers Carried Worldwide

The Goal is Zero Accidents



**“ The crucial information we need to achieve
Zero Accidents exists. It is our responsibility to
make sure that this information is turned into
life-saving knowledge.”**

David Hinson, FAA Administrator

The Goal is Zero Accidents (cont.)



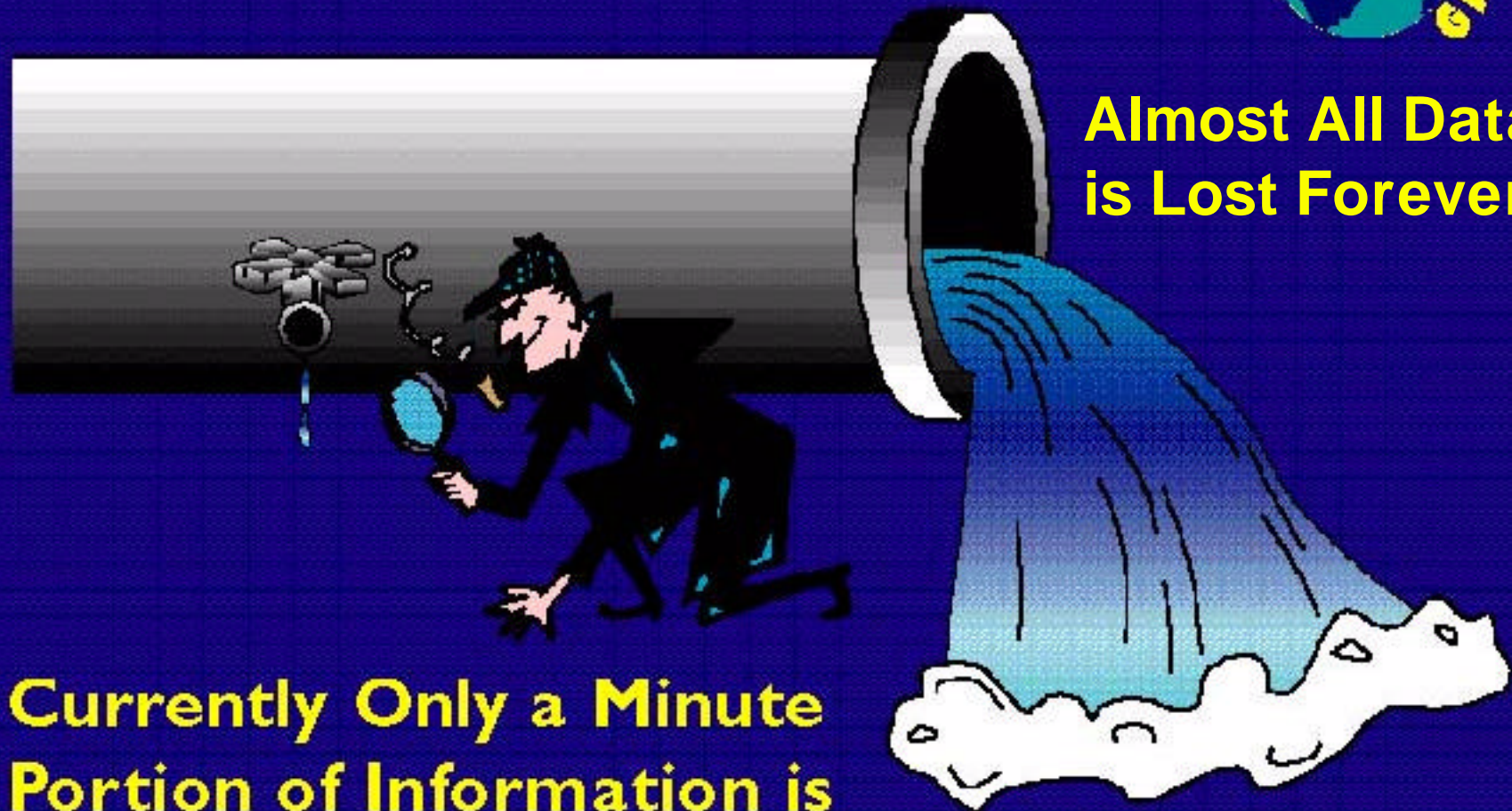
“Zero Accidents has always been the goal. We’re not going to get there by just continuing to investigate the last accident. We’re going to have to start looking at lots of data that show minor deviations from the expected and then get the right kind of people to analyze the information and be willing to act on what it shows.”

**Captain Edmond Soliday, United Airlines,
Vice President of Corporate Safety and Security**

Current System Data Flow

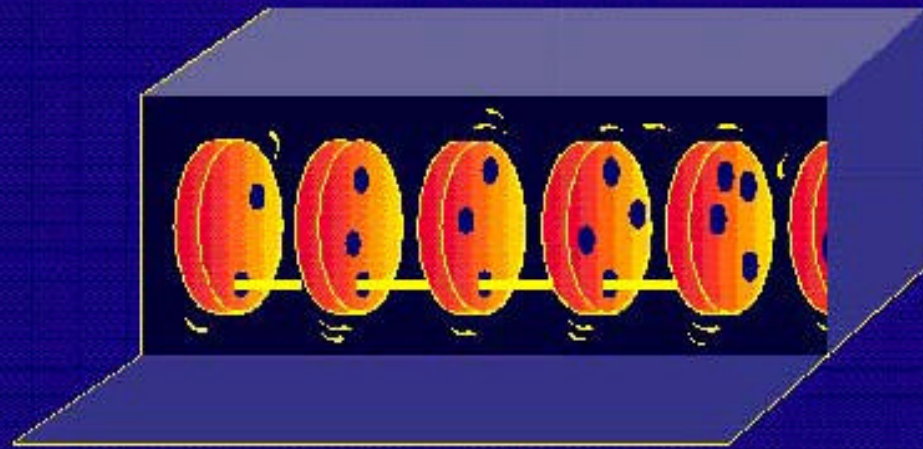


**Almost All Data
is Lost Forever**

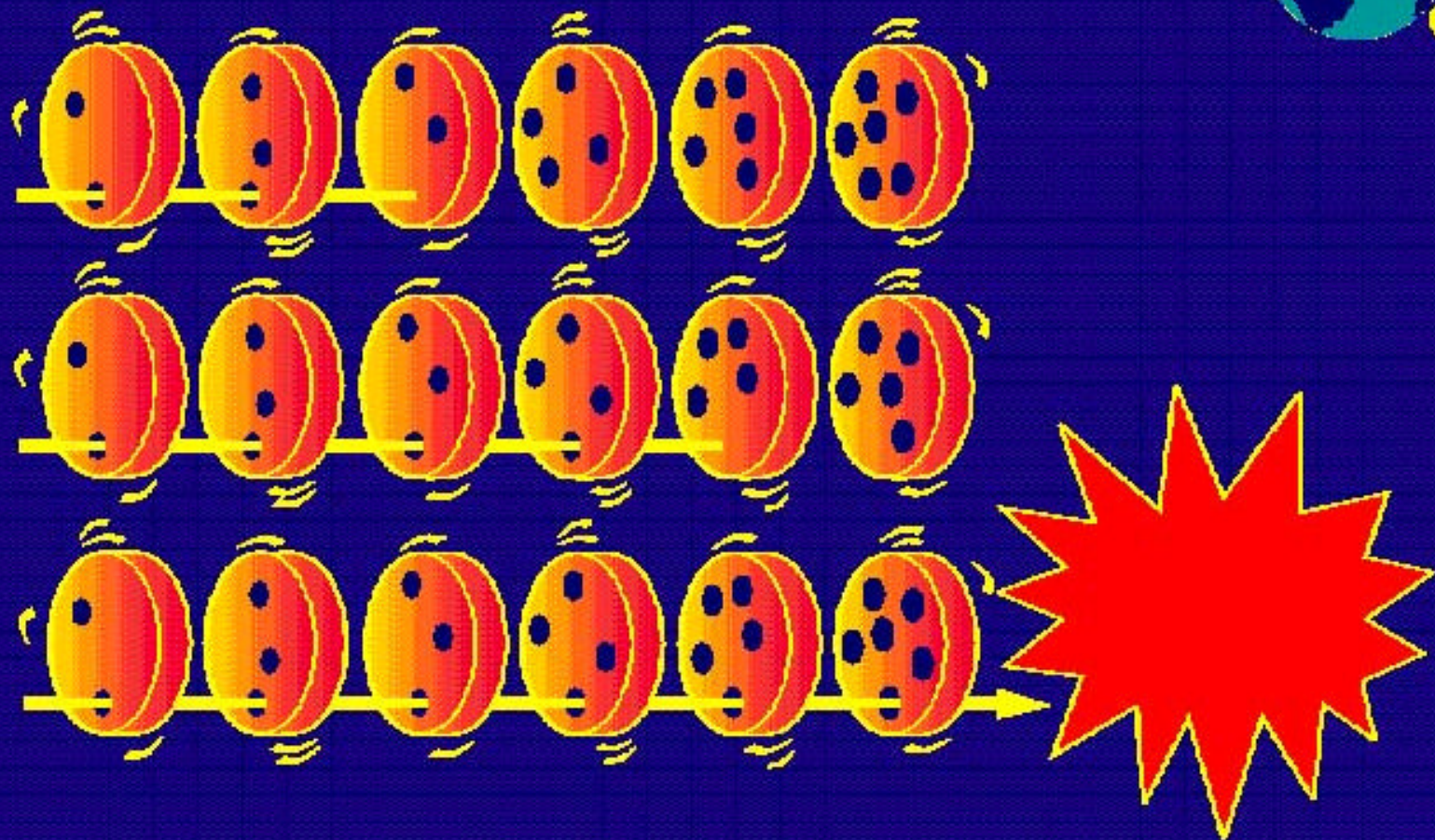


**Currently Only a Minute
Portion of Information is
Collected and Analyzed**

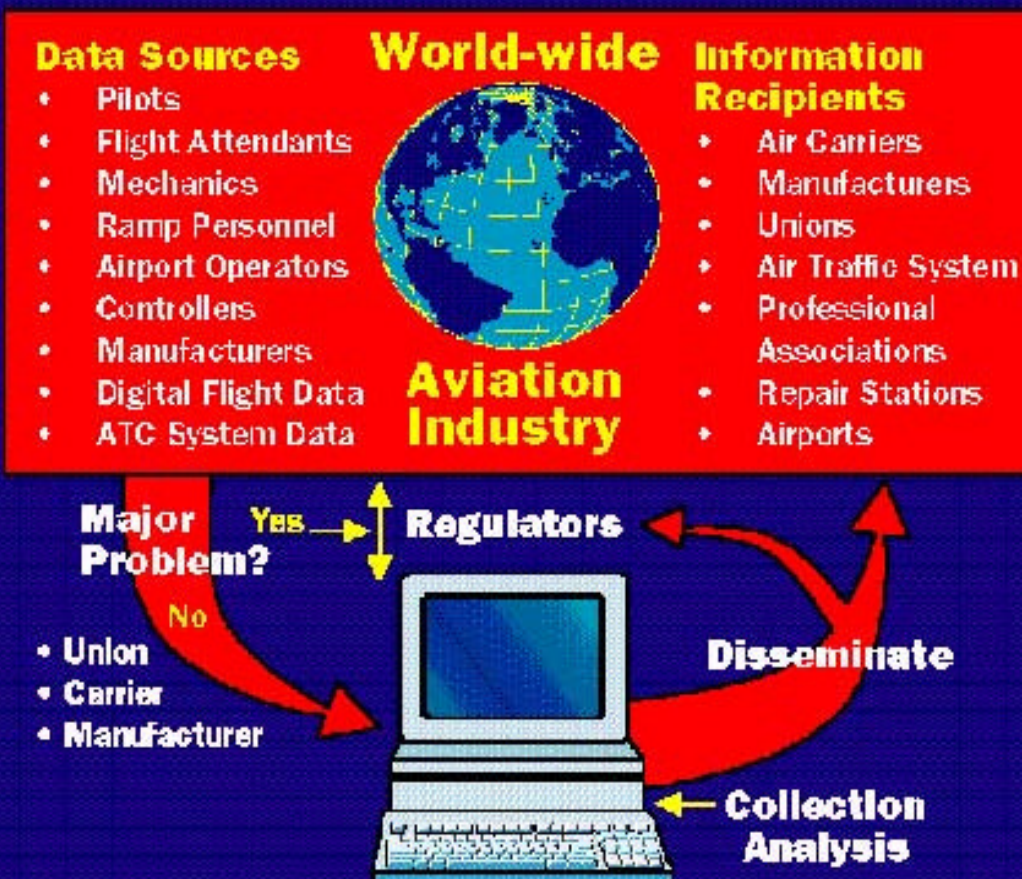
Information Can Not Always Be Seen



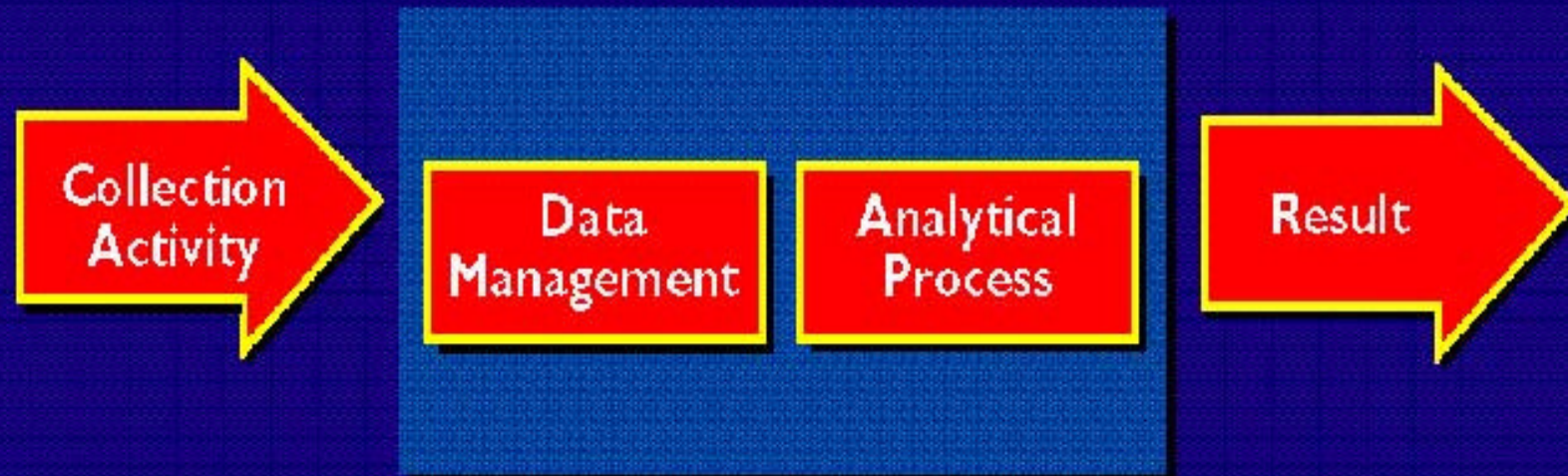
Accidents Result From a Chain Reaction of Events



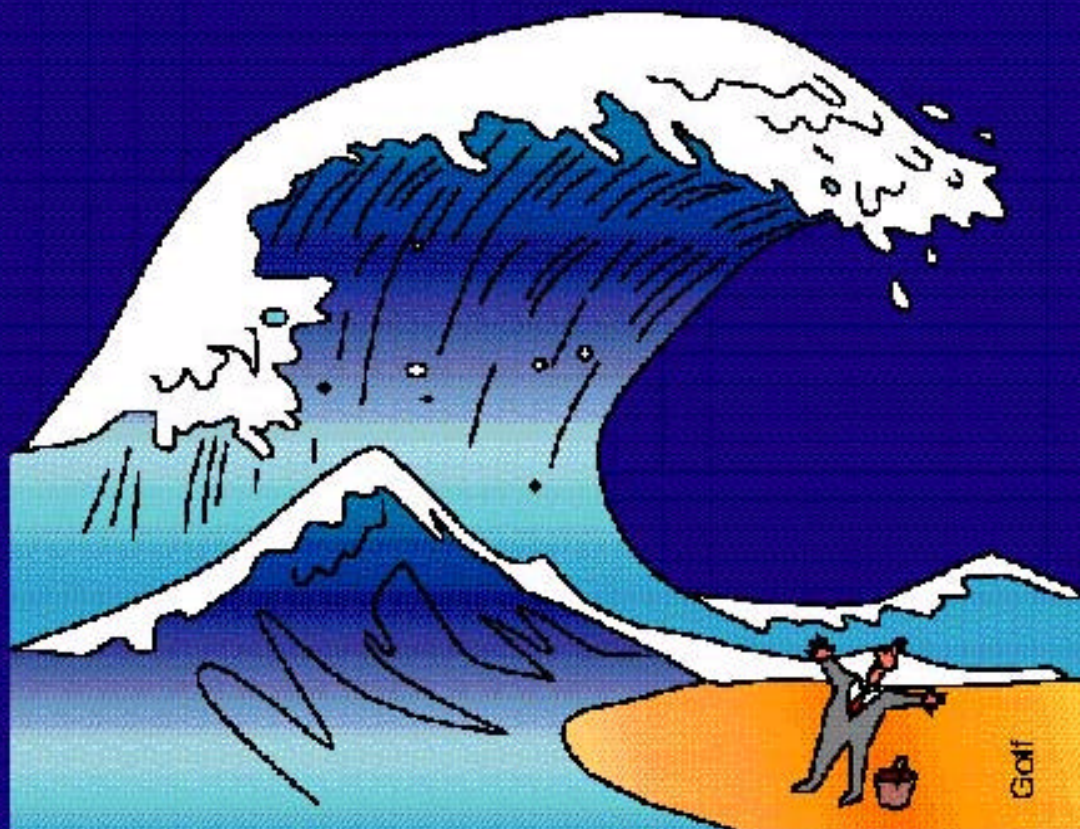
Global Analysis and Information Network: The Concept



Data Collection And Analysis

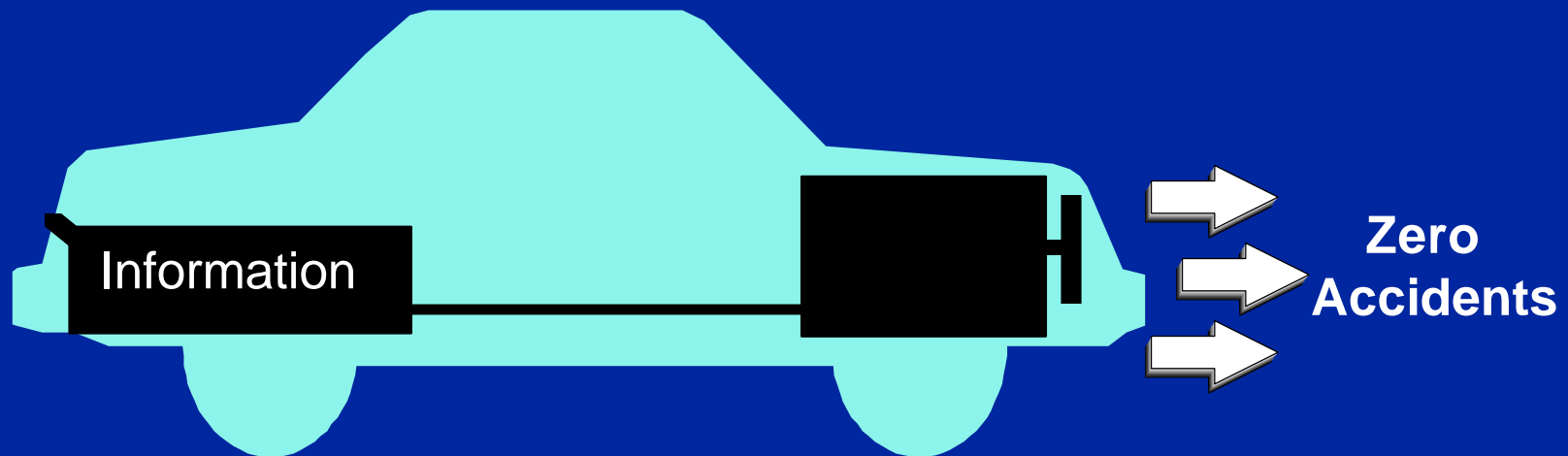


Information Overload



“Eureka! More Information!”

Information: The Fuel for Our Engine



Concept Paper Comments



Organization Type	No.	% of Total
Consulting Organizations or Individuals		
Involved in Consulting – All Categories	43	56%
<i>Aviation</i>	14	
<i>Information Technology</i>	13	
<i>Federally Funded Research & Development Centers</i>	2	
<i>Other</i>	14	
Aviation Trade Associations	8	10%
Universities	7	9%
Manufacturers of Aviation Products	7	9%
Governments (U.S. and non-U.S.)	7	9%
Private Individuals	4	5%
Airlines	1	1%
Total	77	100%

Conclusion



- **Accident Prevention: Significant Economic Self-Interest for Insurers, Carriers, Pilots, Mechanics, Air Traffic Controllers, Regulators**
- **Many Discrete Efforts Already Underway With Good Results, But Not Enough Sharing or Coordination**

Conclusion (cont.)



- **Opportunity as Never Before for International Data Sharing and Analyzing to Reach Goal of “Zero Accidents”**
- **We Can Work Together to Make This Goal a Reality**